

## APPENDIX H

### **NSPS SUBPART J COMPLIANCE SCHEDULE** **FOR HEATERS AND BOILERS**

<b><u>Source</u></b>	<b><u>Date of Compliance</u></b>	<b><u>Method of Compliance</u></b>
<b>Canton</b>		
CCR Charge Heaters [ 4-33-B-1 thru 4]	09/01/01	Submit AMP /Lock Hopper Gas from CCR
<b>Catlettsburg</b>		
HRU Boilers	09/01/01	Submit AMP/Caustic Oxidizer off-gas
HPCCR Charge Heaters [2-102-B-1A, 1B, 1C]	09/01/01	Submit AMP/ Lock Hopper Gas from CCR
LPCCR Charge Heaters [I-44-B-1&2]	09/01/01	Submit AMP/Lock Hopper Gas from CCR
Saturates Gas Heater [2-30-B-1]	09/01/01	Submit AMP/Disfilde Gas from Merox Unit
<b>Detroit</b>		
FCC Charge Heater [11-H-1]	09/01/01	Submit AMP/Disulfide Gas from Merox Unit
<b>Garyville</b>		
FCC Charge Heater [84-78]	09/07/00	Submitted AMP/Disulfide Gas from LPG Merox
Saturates Gas Heater [92-80]	09/07/00	Submitted AMP/Disulfide Gas from C3/C3 Merox
SRS Hot Oil Heater		

[124-91]	09/07/00	Submitted AMP/ Codenser Off-gas
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<u>Source</u>	<u>Date of Compliance</u>	<u>Method of Compliance</u>
Platformer Charge Heater [8-74]	09/07/00	Submitted AMP/ Lock hopper gas from CCR
<b>Robinson<sup>1/</sup></b>		
Ultrafiner Heaters [2-F-1 & 2]	12/31/03	Install H2S CEM on hydrogen fuel gas drum
Crude Heater [ 1-F-1]	12/31/03	CEM on stack/ Amine treated Vacuum off-Gas
Platformer Heaters [16F-3A, B, C]	09/01/01	Submit AMP/ Lock Hopper Gas from CCR
Alkylation Reboiler [7F-1]	09/01/01	Submit AMP/ Disulfide Gas from LPG Merox
All Heaters and Boilers	12/31/02	Reroute/Monitor off-gas from high pressure separator (2c-3), vessel 3-k-10, and vessel 3-c-10

**St. Paul Park**

No Sources with extensions required

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<sup>1/</sup> (Robinson currently injects three process streams downstream of its central fuel gas knock out drum. The refinery will either submit an AMP or reroute these three streams by 12/31/2002.).

<u>Source</u>	<u>Date of Compliance</u>	<u>Method of Compliance</u>
<b>Texas City<sup>2/</sup></b>		
FCC Steam Generator [B-1]	07/19/00	Submit AMP/Disulfide Gas
	06/30/2007	Build SRU/Amine- Eliminate Valero Outages
UDEX Stripper Heater [H-1]	07/19/00	Submitted AMP/UDEX Hot Well Vent
	06/30/2007	Build SRU/Amine - Eliminate Valero Outages
Alkylation Heater	12/31/07	Build new SRU/SWS (Valero outages)
Boilers 1- 4 [27-B-1 thru 4]	12/31//07	Build SRU/Amine - Eliminate Valero Outages
Udex Borne Heater [02H6]	12/31/07	Build SRU/Amine - Eliminate Valero Outages
Platformer Interheaters [09H2]	12/31/07	Build SRU/Amine - Eliminate Valero Outages
Platformer Charge Heater [09H1]	12/31/07	Build SRU/Amine - Eliminate Valero Outages

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<sup>2/</sup> (Texas City currently sends spent (sour amine) to Valero for processing at the #3 Sulfur Plant. On periodic basis, Valero shutdown the #3 Sulfur Plant which results in Texas City burning a fuel above the 160 ppm H<sub>2</sub>S limit. The refinery will burn natural gas in its existing NSPS heaters but will burn the higher sulfur content gas in those heaters noted above. The refinery will build a new sulfur plant, sour water stripper, and amine treating facilities by June 30, 2007 to remedy this problem.)